

DERWENT-ACC-NO: 1990-329328  
DERWENT-WEEK: 199946  
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TITLE: Soft non-woven spun-bonded filamentary fabric -  
comprising crimped  
bi-component composite filaments having propylene-ethylene  
copolymer and  
polypropylene components

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PATENT-FAMILY:

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CA 2015158 C	July 6, 1999	E
000	D04H 001/06	
EP 395336 A	October 31, 1990	N/A
006	N/A	
CA 2015158 A	October 25, 1990	N/A
000	N/A	
JP 02289159 A	November 29, 1990	N/A
000	N/A	
US 5108820 A	April 28, 1992	N/A
005	N/A	
KR 9207992 B1	September 21, 1992	N/A
000	D04H 003/00	
EP 395336 B1	August 30, 1995	E
007	D01F 008/06	
DE 69021924 E	October 5, 1995	N/A
000	D01F 008/06	
JP 2682130 B2	November 26, 1997	N/A
004	D04H 003/00	

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BE CH DE DK ES FR G  
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CITED-DOCUMENTS: A3...199047; GB 1134924 ; NoSR.Pub ; US  
4211819

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
CA 2015158C	N/A	1990CA-2015158
April 23, 1990		
EP 395336A	N/A	1990EP-0304338
April 23, 1990		
JP 02289159A	N/A	1989JP-0104980
April 25, 1989		
US 5108820A	N/A	1990US-0512275
April 20, 1990		
KR 9207992B1	N/A	1990KR-0005738
April 24, 1990		
EP 395336B1	N/A	1990EP-0304338
April 23, 1990		
DE 69021924E	N/A	1990DE-0621924
April 23, 1990		
DE 69021924E	N/A	1990EP-0304338
April 23, 1990		
DE 69021924E	Based on	EP 395336
N/A		
JP 2682130B2	N/A	1989JP-0104980
April 25, 1989		
JP 2682130B2	Previous Publ.	JP 2289159
N/A		

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D04H001/42 ;  
D04H003/00 ; D04H003/14

ABSTRACTED-PUB-NO: EP 395336A

BASIC-ABSTRACT: Soft, non-woven fabric comprises crimped,  
bi-component  
composite filaments having one component compsed of 3- 40  
wt.%  
propylene/ethylene random copolymer with a m.pt. of 110 - 150  
deg.C, as  
determined by differential scanning calorimeter main peaks,  
and a melt flow  
rate (ASTM D-1238 (L) not greater than 15 gram per 10 mins.  
blended with 97 -  
60 wt.% of polyethylene with a melt flow rate (ASTM D-1238  
(E)) not less than  
15 gram per 10 mins. and a second main component composed of  
crystalline

polypropylene with a melt flow rate (ASTM D-1238 (L)) not less than 10 gram per 10 mins..

USE ADVANTAGE - The fabric has an good softness value per unit. wt. and can be produced by high-speed take-up melt spinning.i.e. it can be spun-bonded directly from spun filaments, the rate of prodn being higher than for other dry-method or wet-method non-woven fabrics. Fabric has partic. application for sheets of disposable napkins.

ABSTRACTED-PUB-NO: EP 395336B

EQUIVALENT-ABSTRACTS: A soft nonwoven fabric of filaments, said filaments being composed of crimped bi-component composite filaments composed of (A) a first component composed of (a) 3 to 40% by weight of a propylene/ethylene random copolymer having a melting point, determined from DSC main peaks of 110 to 150deg.C and a melt flow rate (ASTM D-1238 (L)) of not more than 10 g/10 minutes and (b) 97 to 60% by weight of polyethylene having a melt flow rate (ASTM D-1238 (E)) of at least 15 g/10 minutes and a density of less than 0.935g/cm<sup>3</sup>, and (B) a second component comprising crystalline polypropylene having a melt flow rate (ASTM D-1238 (L)) of at least 10 g/10 min. as a main component.

US 5108820A

Soft nonwoven fabric of filaments comprises filament contg. crimped bi-component composite filaments. Composite comprises (a) 3-40 wt.% of propylene/ethylene random copolymer of m.pt. 110-150 deg. C and melt flow rate 15g per 10 mins. or less, and 97-60 wt.% of polyethylene of melt flow rate 15 g per 10 mins. or more; and (b) crystalline polypropylene of melt flow rate 10 g per 10 mins. or more as main component. USE - As

disposable bed sheets and  
liners for diapers.

CHOSEN-DRAWING: Dwg.0/2 Dwg.0/2

TITLE-TERMS:

SOFT NON WOVEN SPIN BOND FILAMENT FABRIC COMPRISE CRIMP BI  
COMPONENT COMPOSITE  
FILAMENT PROPYLENE ETHYLENE COPOLYMER POLYPROPYLENE COMPONENT

DERWENT-CLASS: A17 A94 A96 D22 F04 P32

CPI-CODES: A04-G03E; A04-G06; A12-S05B; A12-S05G; D09-C04;  
F01-D05; F01-E01;  
F02-C01;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0017 0218 0226 3151 0239 0241 0242 0246 3153  
0248 0250 0251 0258  
0265 0272 0279 0293 2372 2475 2476 2485 2486 3240 2510 2525  
2528 2529 2562 2628  
2640 2642 2654 2667 2763 3287 2820

Multipunch Codes: 014 02& 034 040 041 046 047 048 050 051 052  
053 054 27& 28&  
30& 31& 32& 33& 388 395 415 437 481 483 484 512 514 53& 551  
56& 560 566 575 577  
578 58& 586 596 604 608 641 645 664 665 688 698 720 726

SECONDARY-ACC-NO:

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